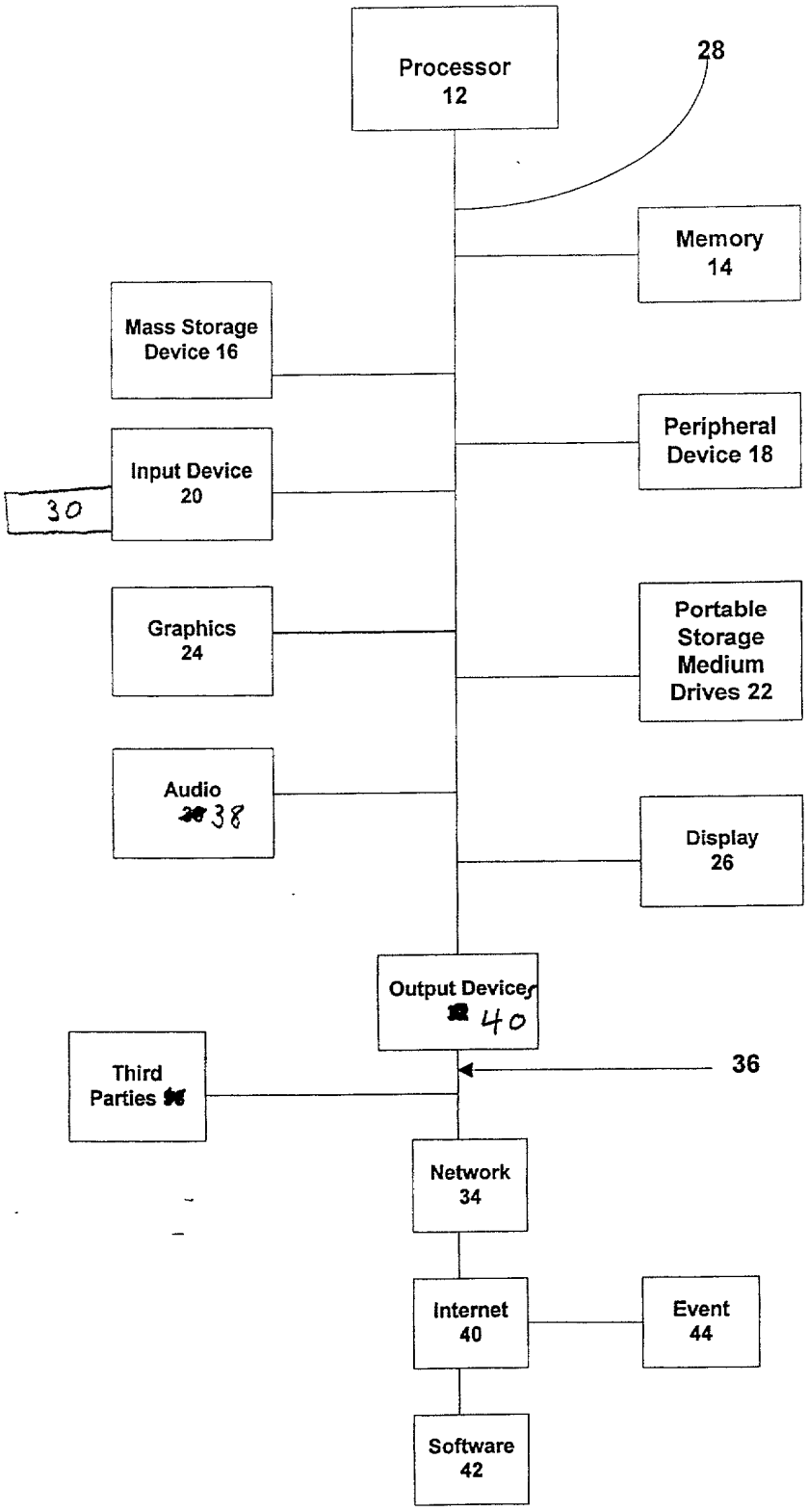
FIG. 1


Processor
12
28
Memory
14
Mass Storage
Device 16
Peripheral
Device 18
30
Input Device
20
Graphics
24
Portable
Storage
Medium
Drives 22
Audio
38
Display
26
Output Device
40
36
Third
Parties
Network
34
Internet
40
Event
44
Software
42

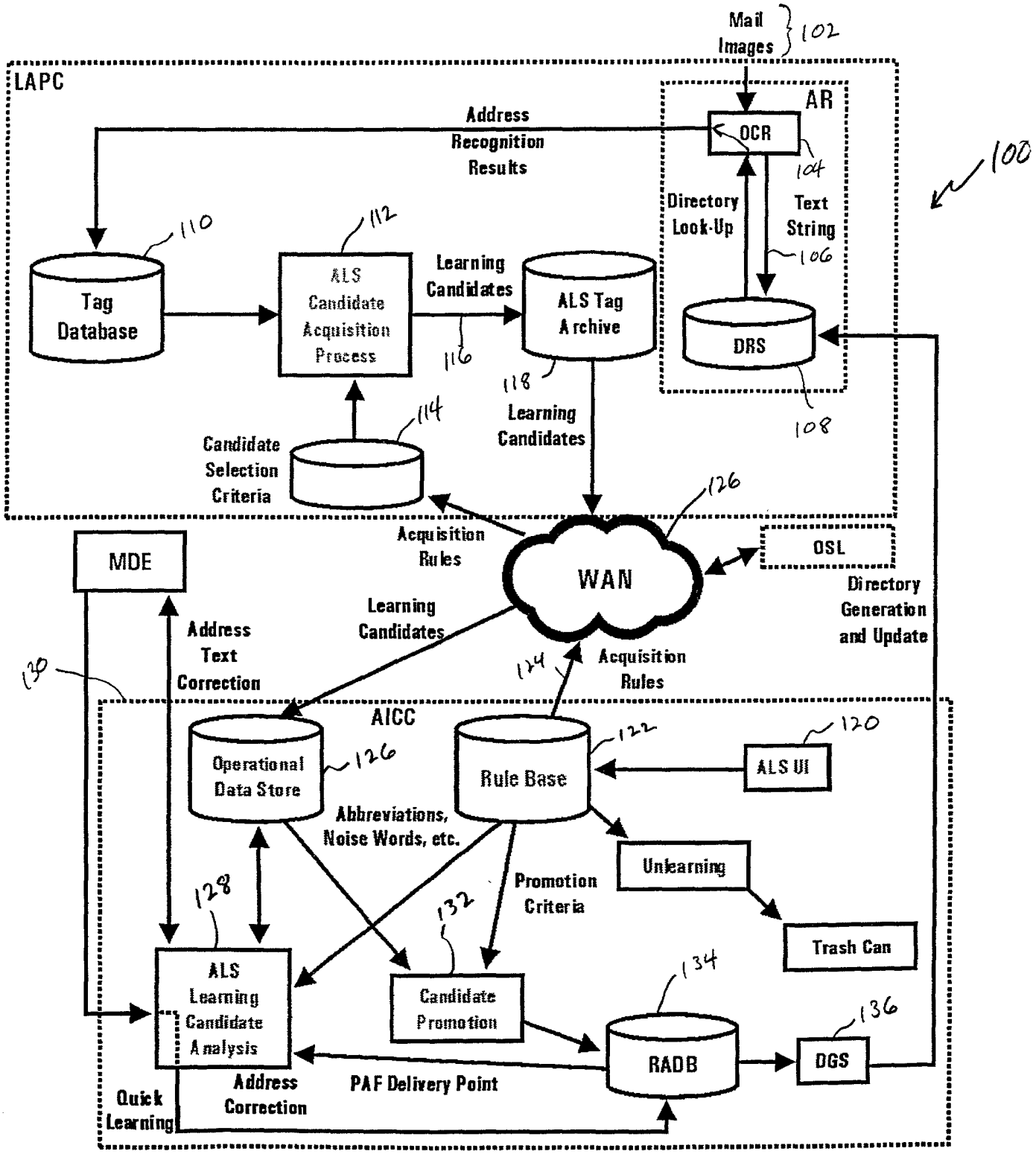

Mail Images
102
LAPC
AR
Address Recognition Results
OCR
104
100
Directory Look-Up
Text String
106
110
112
Tag Database
ALS Candidate Acquisition Process
Learning Candidates
ALS Tag Archive
DRS
116
118
108
Learning Candidates
114
Candidate Selection Criteria
126
Acquisition Rules
MDE
WAN
OSL
Directory Generation and Update
Learning Candidates
Address Text Correction
130
124
Acquisition Rules
AICC
Operational Data Store
126
Rule Base
122
ALS UI
120
Abbreviations, Noise Words, etc.
Unlearning
Promotion Criteria
128
132
Trash Can
ALS Learning Candidate Analysis
Candidate Promotion
134
RADB
136
DGS
Quick Learning
Address Correction
PAF Delivery Point

Figure 2.

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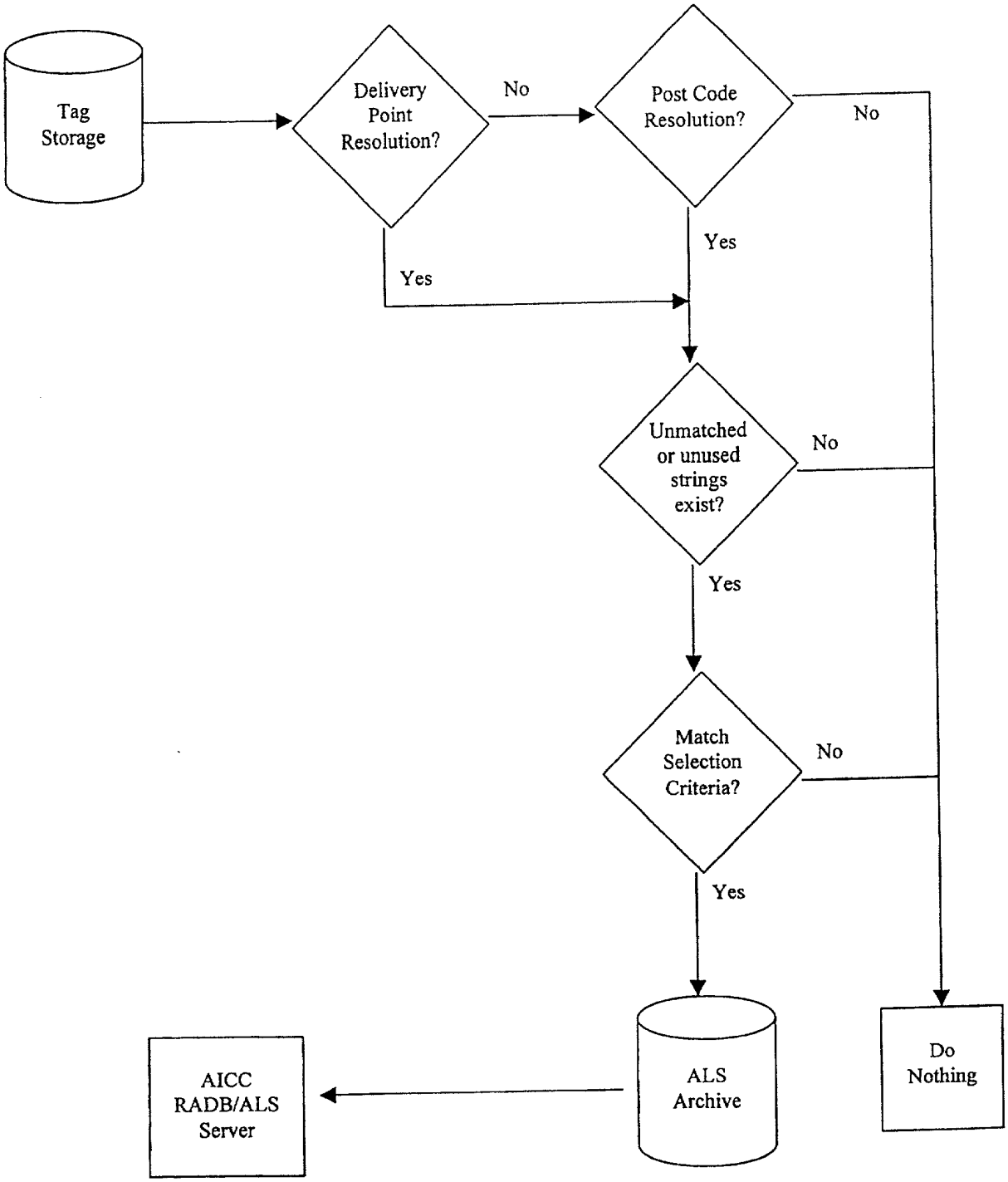

Figure 3.

Docket #: 2003-0182

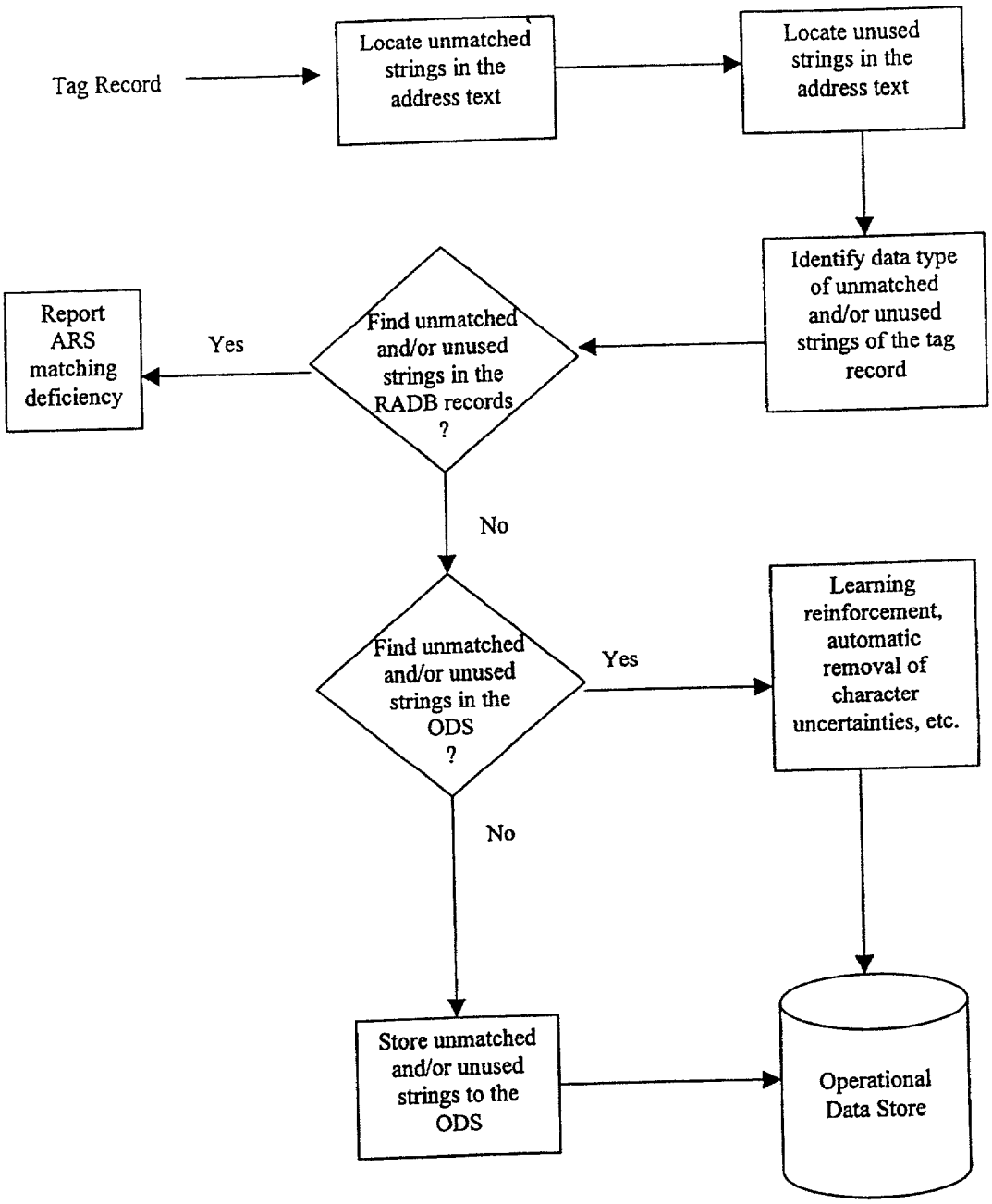

Figure 4.

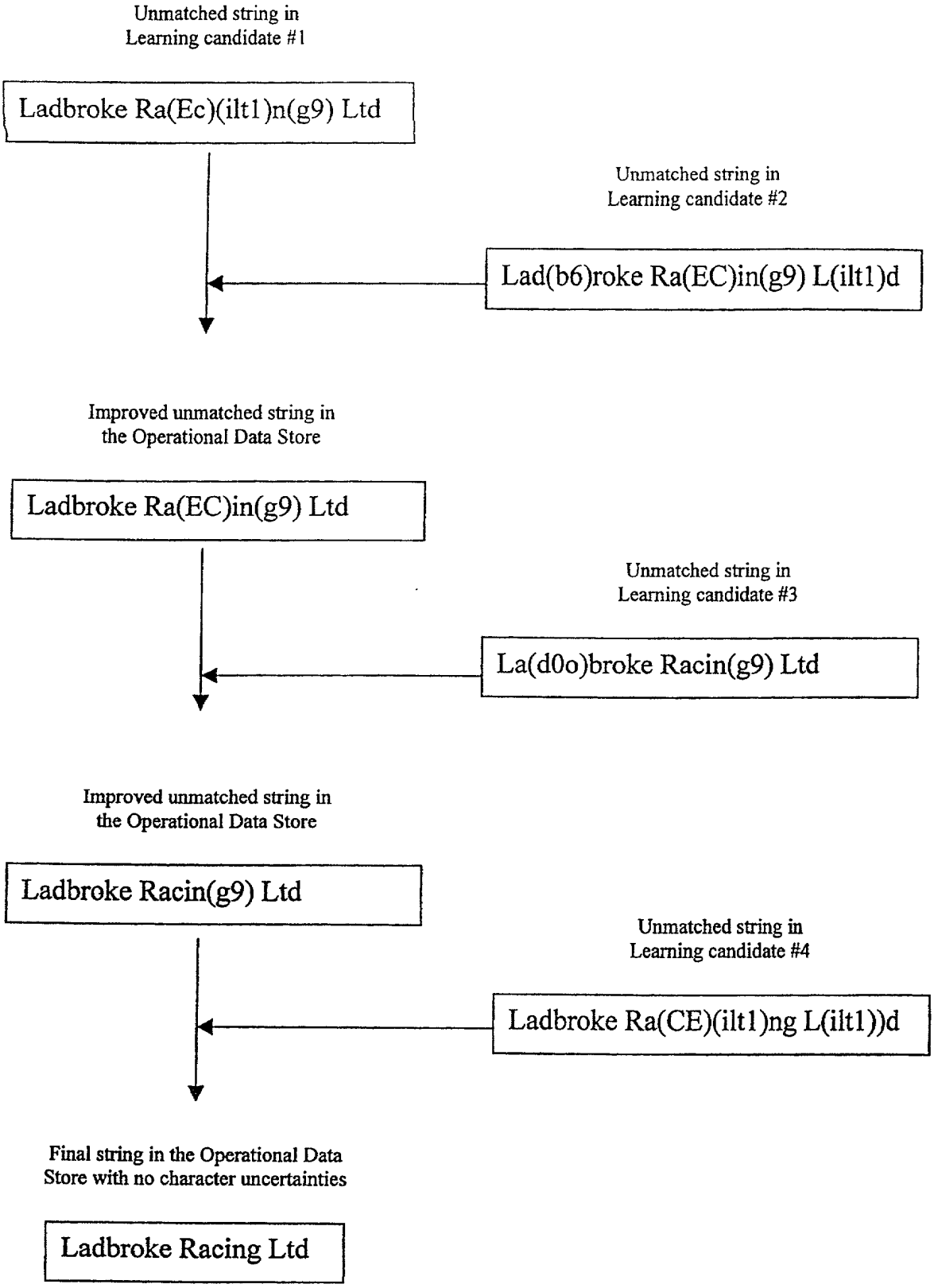
Unmatched string in
Learning candidate #1
Ladbroke Ra(Ec)(ilt1)n(g9) Ltd
Unmatched string in
Learning candidate #2
Lad(b6)roke Ra(EC)in(g9) L(ilt1)d
Improved unmatched string in
the Operational Data Store
Ladbroke Ra(EC)in(g9) Ltd
Unmatched string in
Learning candidate #3
La(d0o)broke Racin(g9) Ltd
Improved unmatched string in
the Operational Data Store
Ladbroke Racin(g9) Ltd
Unmatched string in
Learning candidate #4
Ladbroke Ra(CE)(ilt1)ng L(ilt1))d
Final string in the Operational Data
Store with no character uncertainties
Ladbroke Racing Ltd

FIG. 5

RADB DATABASE DESIGN

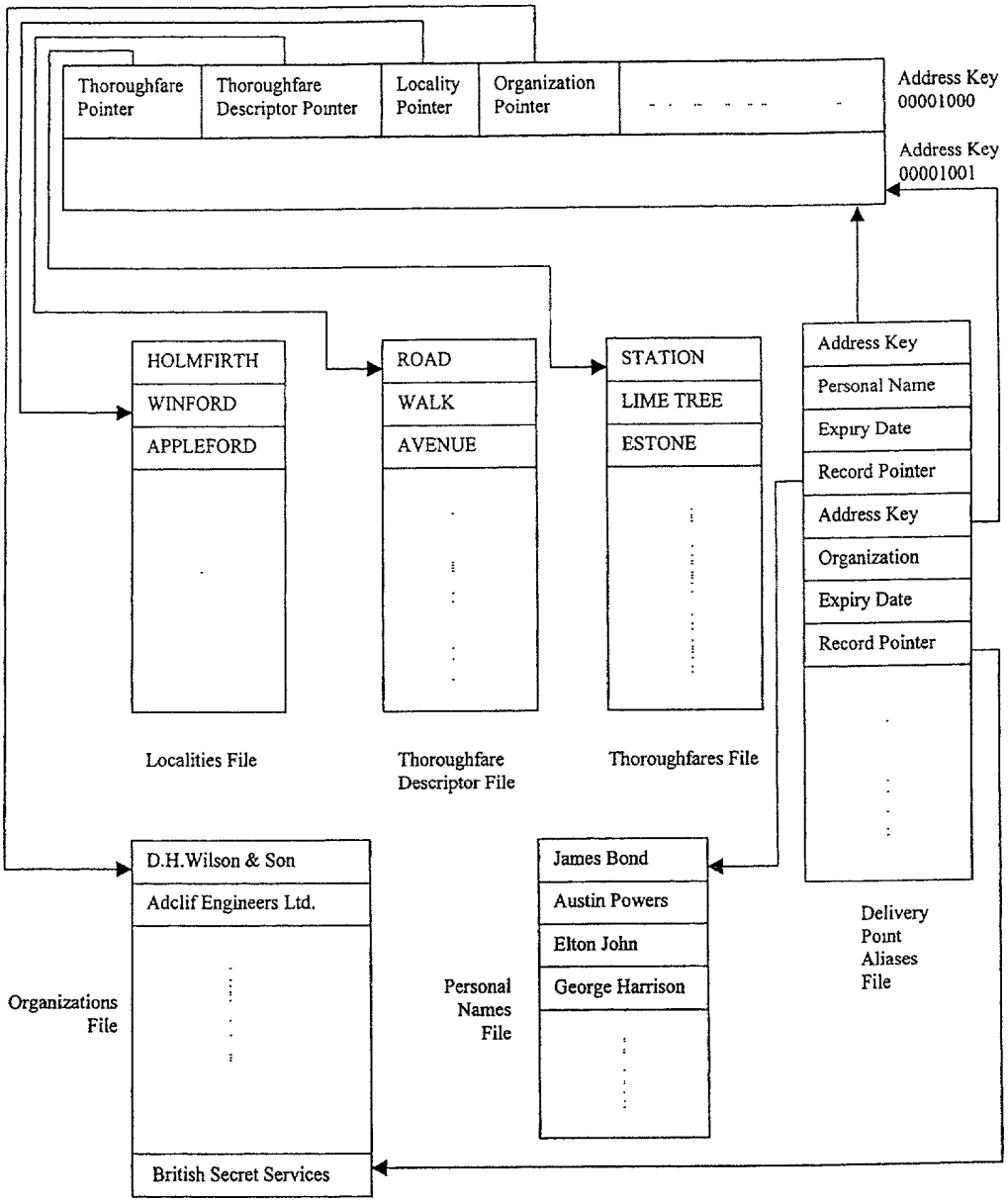

Figure 6

Reference Address Database

Address Key	Thoroughfare Pointer	Thoroughfare Descriptor Pointer	Locality Pointer	Organization Pointer	
00001000					
Address Key 00001001					
Address Key 00001002					

Operational Data Store

Unmatched String #1	String Token	Data Type #1	Data Type #1 Confidence	Data Type #2		Frequency Counter	Address Key
Unmatched String #2	String Token	Data Type #1	Data Type #1 Confidence	Data Type #2		Frequency Counter	Address Key
Unmatched String #3	String Token	Data Type #1	Data Type #1 Confidence	Data Type #2		Frequency Counter	Address Key
Unmatched String #4	String Token	Data Type #1	Data Type #1 Confidence	Data Type #2		Frequency Counter	Address Key
Unmatched String #N	String Token	Data Type #1	Data Type #1 Confidence	Data Type #2		Frequency Counter	Address Key

Figure 7